AKIRA

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Air Conditional
Service Manual

Большая библиотека технической документации
http://splitoff.ru/tehn-doc.html
каталоги, инструкции, сервисные мануалы, схемы.

Model:
AC-S13HU

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

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FEATURES OF PRODUCT

1. Fashionable appearance.
2. Compact Design.
3. Hours of Sleep Mode Operation.
4. Economy Mode to Reduce Electrical Power Consumption.
5. Clean breath efficient biological antibacterial filter gauze made from green plant elite refined by using international leading technology, with the function of filtering and suppressing bacteria, and able to absorb and kill various pathogens and harmful gases efficiently for a long period, prevent secondary pollution caused due to microorganism spreading, and ensure the health of your family.

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REFRIGERATING PRINCIPLE

- COOLING

After the power supply is switched on, the machine is set to COOL mode. With the compressor being operated, the low-temperature and low-pressure refrigerant vapor is sucked into the compressor where it is turned into high-temperature and high-pressure gas. Then it is cooled down in the outdoor heat exchanger by the air and becomes liquid. After being throttled by the capillary, the refrigerant liquid comes into the indoor unit and then it evaporates in the indoor heat, exchanger, absorbing heat and reducing the room temperature. The evaporated refrigerant vapor returns to the outdoor unit and is again sucked into the compressor, completing the cycle. With the refrigerant cycling being kept on, the objective of lowering the room temperature is fulfilled.

- HEATING

After the power supply is switched on, the machine is set to HEAT mode and the coil of the electromagnetic four-way valve is energized. After the compressor starts to operate, the high-temperature and high-pressure refrigerant gas first comes into the heat exchanger of the indoor unit, where it is cooled, releases heat and increases the room temperature. The cooled high-pressure refrigerant is then throttle1d in the outdoor unit and returns to the compressor after evaporation. With such cycles being maintained, the objective of increasing the room temperature is fulfilled.

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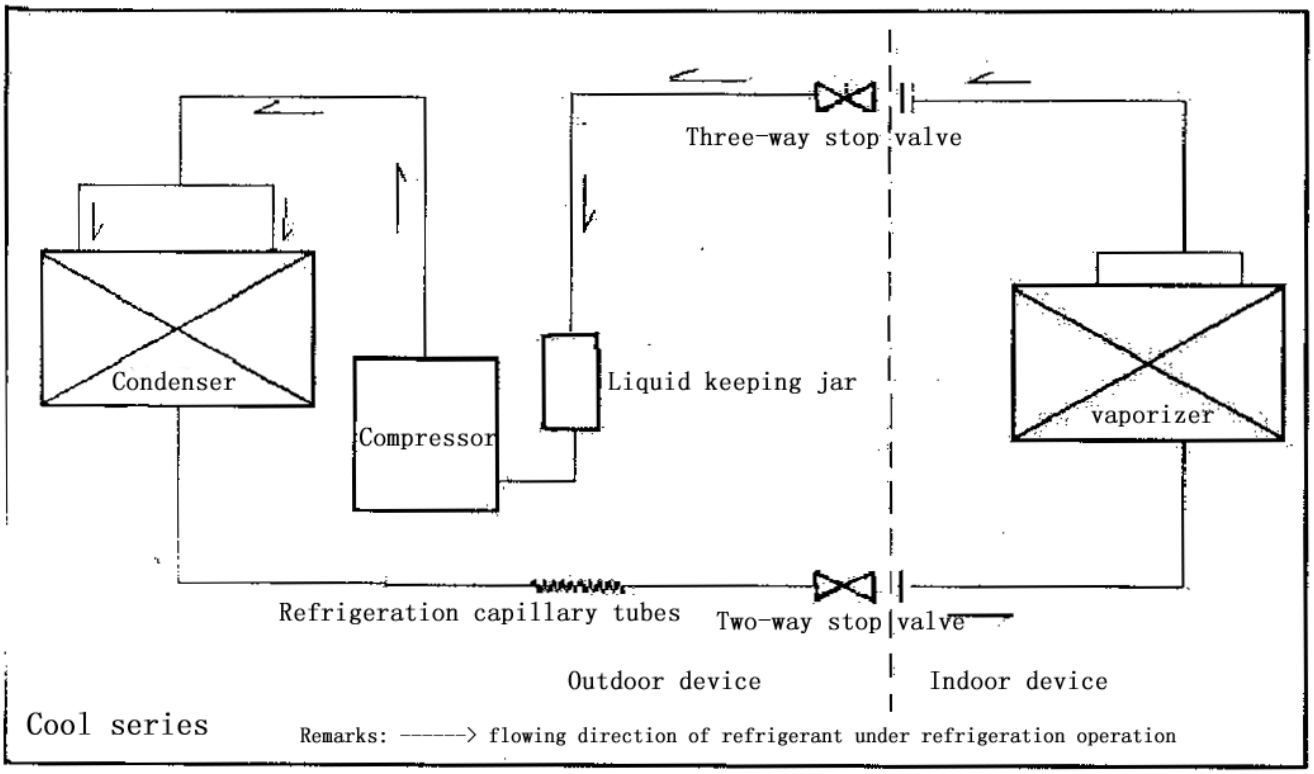

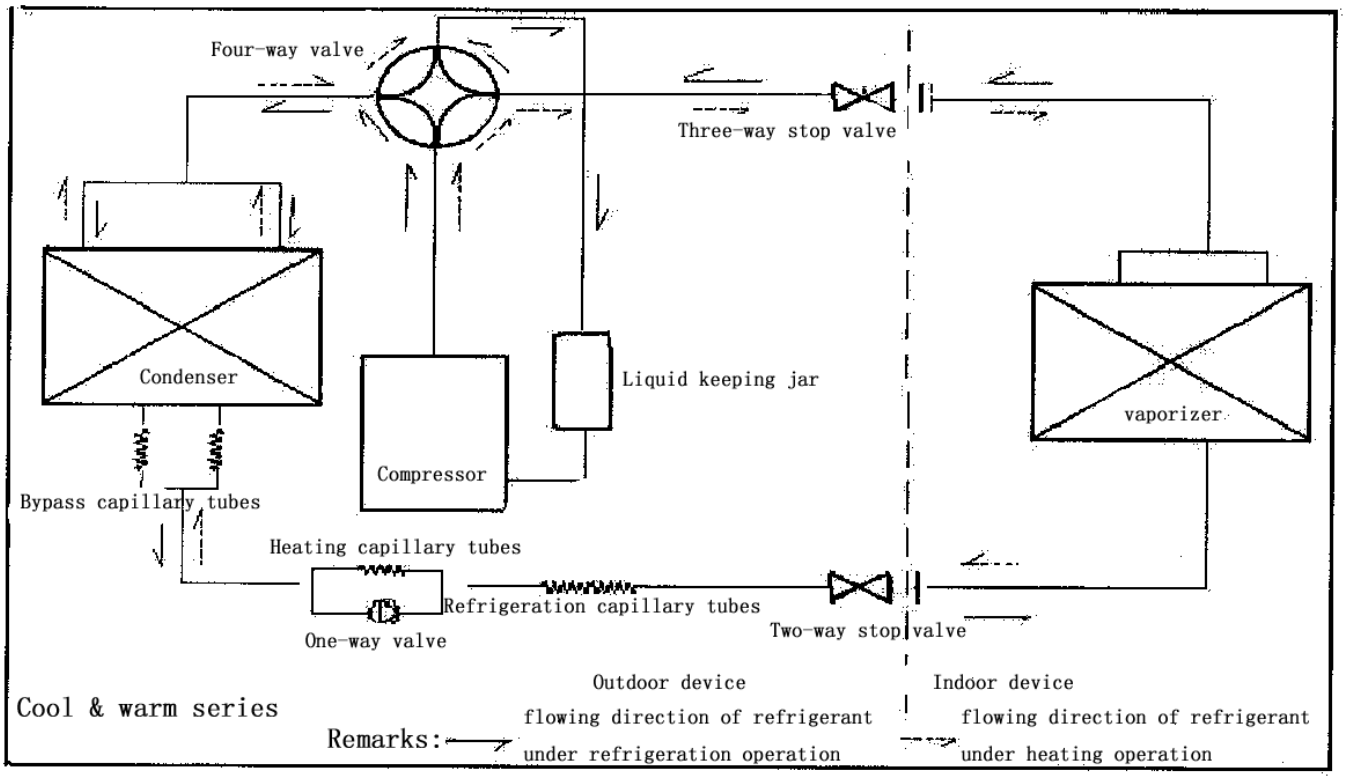

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

OPERATION DETAILS

1. Overall

a. Protection of compressor
   i. Whatever operation modes the air- conditioner is under, there will always be 3 minutes' time- delay protection unless it is on for the first time. When the compressor is switched on, it can not be shut down within 3 minutes (except under the modes of heating or defrosting) unless it is powered off or its operation mode is changed.

b. The operation indicator will turn light when the air conditioner is powered on.

c. The buzzer will sound immediately after the controlling device receives a correct and effective signal sent by the remote control.

d. Timing function can be applicable to all operation modes while sleep function can only be applicable to the modes of refrigeration and heating.

2. Automatic operation mode

a. When the air conditioner works, it can detect the indoor temperature automatically whereby its operation mode can be selected: refrigeration, heating or dehumidification.

b. When the indoor temperature reaches more than 27□, the air conditioner will operate under the mode of refrigeration.

c. When the indoor temperature reaches between 20□and 27□the air conditioner will work under the mode of dehumidification (always mute).

d. When the indoor temperature reaches less than 20□, the air conditioner will work under the mode of heating.

e. Under this mode, the air conditioner will operate in the respect of blowing rate as set and its pendulum leaves will work according to the requirements of automatic ventilation door.

f. Once the operation mode is selected, it will not be able to be changed. When the air conditioner is shut down and then restarted, the operation mode will be selected once again based on the variation of indoor temperature.

g. After the operation indicator has been flickering for 20 seconds, it will turn light steadily (i.e. the determination of operation mode will start in 20 seconds.)

h. This mode has timing function, does not have sleep function.

i. Under this operation mode, the temperature can be set and adjusted by remote control.

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3. Refrigeration mode

a. Under the refrigeration mode, the range of temperature set by remote control is between 16□and 32□.
b. Shut-down of four-way valve;
c. The condition on which the compressor starts is that the indoor temperature reaches more than the temperature set plus 1□while the condition on which the compressor shuts down is that the indoor temperature reaches less than the temperature set minus 1□.And when the indoor temperature is equal to that set, the original operation mode will be kept.
d. Under the mode of refrigeration, the function of preventing indoor coiled pipe from being frozen will be effective.
e. The indoor wind speed will be as set. And the pendulum leaves will work according to the instructions sent by remote control.

4. Dehumidification operation

a. The temperature range set and controlled is between 16□and 32□. The temperature will be set by remote control.
b. The four-way valve is shut down.
c. The wind speed gear-changes to “mute". And the pendulum leaves works according to the instructions sent by remote control;
d. The function of preventing indoor coiled pipe from being frozen is effective.
e. When the indoor temperature reaches less than 16□, the function of dehumidification is out of use.
f. When the indoor temperature reaches more than 16□, the compressor will be switched on and work intermittently. The time when the compressor shuts down depends on T ring and T ring-T set. When the compressor is shut down, the outdoor fan and indoor fan will stop working.

   When T ring≥23□

   T set <T ring-1, the compressor will be working for 8 minutes and then stopping for 3 minutes in cycles.

   T set≥T ring-1, the compressor will be working for 3 minutes and then stopping for 6 minutes in cycles.

   And when T ring <23□

   T set ≤T ring-1, the compressor will be working for 3 minutes and then stopping for 4 minutes in cycles.

   T set >T ring-1, the compressor will be working for 3 minutes and then stopping for 6 minutes in cycles.

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5. Function of ventilation control

a. Under the mode of ventilation, the outdoor fan assembly will always be shut down.
b. The indoor fan will operate as set in the respect of air quantity without the gear-change of “high power".
c. The pendulum leaves will work according to the instructions sent by remote control.

6. Heating function

a. Under the mode of heating, the temperature range set is between 16□and 32□. And the temperature will be set by remote control.
b. When the air conditioner is powered on, the outdoor fan, four- way valve and compressor will start at the same time while when it is shut down, the outdoor fan and compressor will be shut down at the same time and so will the four- way valve after 2 minutes' delay.
c. Under the mode of heating, the compressor can not be shut down within 3 minutes after it is powered on unless the operation mode is changed or the air conditioner is turned off.
d. There is a 3□ temperature compensating function. The temperature measured at the in-blow vent minus 3□ automatically can be regarded as that compared with the temperature set (This function does not exist under other circumstances).
e. According to the temperature set, the condition upon which the compressor will be switched on is indoor temperature≤ temperature set-1□ While the condition upon which it will be switched off is indoor temperature is indoor temperature≥ temperature + 1□. When the indoor temperature is equal to that set, the original operation mode will be kept.
f. Indoor fan control:
    i. Heating operation and prevention of cold wind
    When the compressor works:
        - During the rising process of the temperature of coiled pipe, the indoor fan will not start if the temperature of the coiled pipes is less than 25□.
        - When the temperature of coiled pipe reaches less than 35□ But more than 25□, The indoor fan will work under the mode of “ mute". If the temperature of coiled pipe ascends to 25□and then descends, it will stop working only when the temperature is lowered to 22□.
        - When the temperature of coiled pipe reaches more than 35 □, the indoor fan will operate as set in the respect of wind speed. If the temperature of coiled pipe ascends to 35□ And then descends, it will enter into the operation mode of “ mute" only when the temperature is lowered to 30□.

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ii. Afterheat-blowing function:

- When the compressor stop working:
  - When the temperature of coiled pipe is more than 35□, the indoor fan will operate as set in respect of wind speed.
  - When the temperature of coiled pipe is more than 25□, but less than 35□, The indoor fan will operate under the mode of " mute"
  - When the temperature of coiled pipe is less than 25□, the indoor fan will stop working.
- The afterheat-blowing function when the air conditioner is just shut down: If the temperature of indoor coiled pipe reaches more than 30□, The indoor fan will operate under the mode of " mute"; If it lowers to less than 30□, the indoor fan will be shut down; And the time when the afterheat blows will last less than 40 seconds after the indoor fan is turned off.

g. Defrosting operation:

i. The conditions upon which the outdoor sensor goes into operation are as below:

- Under the circumstance of heating, if T external coiled pipe is at the temperature of less than -6□ which lasts 2 minutes and the accumulated working time of compressor reaches more than 50 minutes (if there is any power cut-off or shut-down by remote control, the accumulated working time of compressor shall be re-calculated), the defrosting interval will be more than 50 minutes and the compressor will be working 5 minutes continually.
- If there is any damage to the external coiled pipe, the accumulated working time of compressor will reach 50 minutes (if there is any power cut-off, shut-down by remote control or defrosting, the accumulated working time of compressor shall be re-calculated) and the defrosting operation will last 10 minutes.

ii. Once one of the following conditions is satisfied, the defrosting will end:

- The temperature of T external coiled pipe is more than 12□.
- Defrosting duration is more than 12 minutes.

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iii. The requirements of defrosting operation:

- Sleep indicator flickers at the speed of 1 time per second
- When defrosting operation starts, the compressor and indoor fan will stop working while outdoor fan and four-way valve will continue to work.
- The four-way valve and outdoor fan will stop operating in 30 seconds.
- 15 seconds after that, the compressor starts and goes into defrosting operation.
- After the defrosting ends, the compressor stops working. And the four-way valve and outdoor fan begins to work in 20 seconds.
- 20 seconds after that, the compressor starts and goes into heating operation. And the indoor fan enters into the prevention mode of cold wind.

h. Auxiliary electric heating function

i. Only if the following conditions are satisfied under the heating operation, can the auxiliary electric heating go into operation automatically.

- The compressor works for 4 minutes by heating pump
- Indoor temperature is less than 22□;
- The temperature set-indoor temperature is more than 3□;
- Indoor fan goes into operation;
- Indoor coiled pipe temperature is less than 48□

ii. Once one of the following conditions is satisfied, auxiliary electric heating operation will end:

- Indoor temperature is more than 22□.
- The temperature set –indoor temperature is less than 2□.
- When Indoor coiled pipe temperature is more than 52□, the electric heating operation will end.
- Indoor temperature sensor becomes abnormal.

iii. If compressor or indoor fan stops working, the electric heating will stop operating as well.

iv. During the operation of compressor, if the auxiliary electric heating stops working, it can be restarted only in 1 minute.

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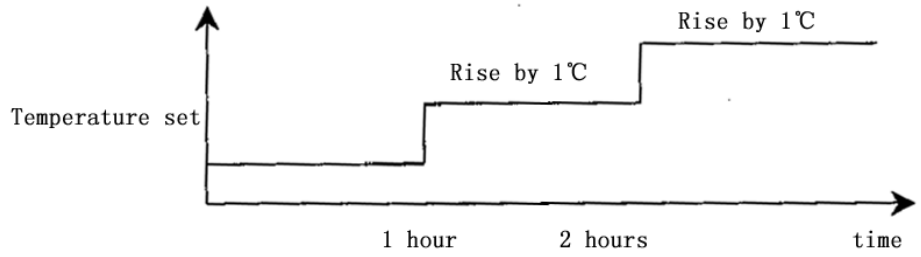
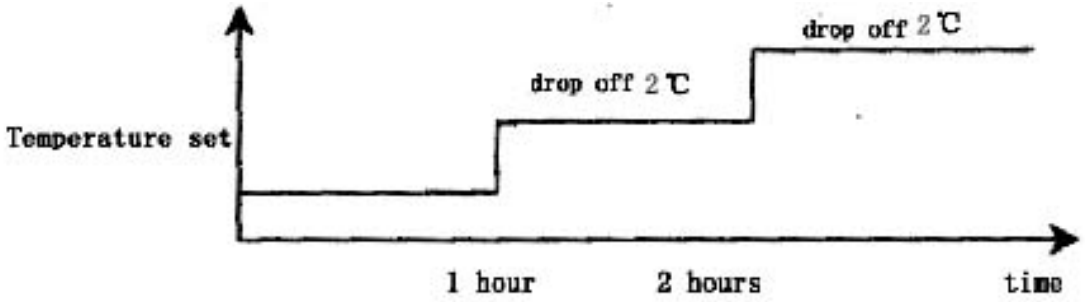
7. Sleep operation

a. When the air conditioner enters into the mode of sleep, the indoor wind speed will turn into the air quantity of “mute”.

b. When the sleep operation goes under the mode of refrigeration, the temperature set rises by 1□ automatically every one hour. And the air conditioner will be powered off after sleep mode has worked for 7 hours.



c. When the sleep operation goes under the mode of heating, the temperature set drops by 2□ automatically every one hour. And the air conditioner will be powered off after sleep mode has worked for 7 hours.



d. When the button of mode selection is pressed down, the function of sleep will be cancelled.

e. Sleep operation is effective under the modes of refrigeration and heating. When sleep button is pressed down, the sleep operation can begin or end.

f. Sleep function does not exist under the automatic mode, the situation of dehumidification or the circumstance of ventilation.

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8. Timing operation

a. When timing is set, timing indicator will turn light.

b. The time set by timing is 12 hours at most. The timing unit is 1 hour. Even if the operation mode is changed, the timing function will still work.

c. Power-off at a fixed time

The power-off at a fixed time can be set only if the air conditioner is on. And it continues to work though the power-off at a fixed time has been already set. When it comes to the fixed time, the indoor and outdoor fans will be shut down.

d. Power-on at a fixed time

The power-on at a fixed time can be set only if the air conditioner is on. And it continues to be off though the power-on at a fixed time has been already set. When it comes to the fixed time, the indoor and outdoor fans will start to operate.

9. Emergency switch

a. When the soft-touch switch is pressed, the air conditioner will be powered on and the operation indicator will flicker (1 time per second). And it goes into the mode of automatic operation in 20 seconds. When the soft-touch is pressed once again, it will be powered off. When the air conditioner goes under the mode of automatic operation, the air door will assume the appearance of automatic air door. Under the mode of heating or refrigeration, the temperature set will be 24□ and the wind speed will turn that under the “high power” mode. Under the dehumidification operation, the temperature set will be T ring-2□ and the air conditioner can work upon the instructions sent by remote control.

10. Overload control and various protection functions:

a. Temperature control (overheat protection).

i. This function can only be applied to the mode of heating, not others.

ii. When the temperature of indoor coiled pipe reaches more than 57□, outdoor fan will stop working.

iii. When the temperature of indoor coiled pipe drops to less than 52□, outdoor fan will resume to operate normally.

b. Temperature cut-off control function (overheat protection)

i. This function can only be applied to the mode of heating, not others.

ii. When the temperature of indoor coiled pipe reaches more than 64□which lasts more than 10 seconds, the compressor and outdoor fan will all stop working.

iii. After 3 minutes’ shut-down, the compressor will resume to operate if the temperature of indoor coiled pipe drops to less than 52□.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

c. Function of preventing indoor coiled pipe from being frozen (supercooling protection).
   i. This function can only be applied to the operation mode of refrigeration or dehumidification, not others.
   ii. When the temperature of indoor coiled pipe drops to -2□ which lasts more than 2 minutes, the compressor will stop operating and the indoor fan will go by air quantity set.
   iii. When the compressor stops working, it can only be restarted only if the temperature of indoor coiled pipe rises to more than 7□ or the power-off of the compressor lasts more than 6 minutes.

d. Protection function of short or open circuit of temperature senor
   i. Powered on, when it is detected that the T ring signal sent by indoor environment temperature senor is abnormal, the air conditioner will work under the mode of heating and will not be powered off if the signal received from remote control is “heating” or it will work under the mode of refrigeration and will not be powered off if the signal received from remote control is “refrigeration” or it will work for 8 minutes and then stop for 3 minutes with the wind speed of “mute cycle dehumidification” if the signal received from remote control is “dehumidification”. Besides, the signal of automatic mode sent by remote control will not be effective, nor will the signal of automatic button power-on and the related breakdown can be indicated at the same time.
   ii. When it is detected that the T internal coiled pipe signal sent by indoor coiled pipe temperature sensor is abnormal, the freezing-proof, cold-wind-proof and overheat-proof functions will be screened. Under the mode of heating, when the compressor is powered on, indoor fan will be started after 30 seconds’ delay with the wind speed as set while when compressor is powered off, indoor fan will be turned off after 30 seconds’ delay and the related breakdown can be indicated at the same time.
   iii. When it is detected that the T external coiled pipe signal sent by outdoor coiled pipe temperature sensor is abnormal, the air conditioner will work for 50 minutes, defrost for 10 minutes and heat in cycles if the signal received from remote control is “heating” and the related breakdown can be indicated at the same time while the air conditioner will not be powered off and will operate normally if the signal received from remote control is heating or defrosting or ventilation and the related breakdown can be indicated at the same time.

e. Disposal of indoor PG electric motor abnormity

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f. When indoor PG electric motor is loaded with voltage, the indoor fan will operate under the mode of “weak wind” automatically if the pulse signal feed backed by the indoor electric motor is not detected within 12 seconds. If the feedback signal detected is normal, the indoor fan will resume the turning speed set and the related breakdown indication will be disappear.

g. Function of charatron display

When the controller is normal, there will be no charatron display under the circumstance of power-off. When air conditioner is powered on, the charatron will display room temperature under the normal situation. If the temperature set is changed, the charatron will show the temperature set which sparkles at the rate of 1 time per second. Then it will display room temperature once again in 5 seconds. The display range of room temperature is 0~79□.

11. Function of breakdown indication

digital tube SERIES; VFD display

a. Breakdown cause	b. Display way	c. Display priority class
d. Indoor fan motor feedback abnormity	**e. E4**	**f. 1**
g. The sensor which is used to test the air conditioner’s air intake temperature abnormity	**h. E1**	**i. 2**
j. The sensor which is used to test the indoor heat exchanger’s temperature abnormity	**k. E3**	**l. 3**
m. The sensor which is used to test the outdoor heat exchanger’s temperature abnormity	**n. E2**	**o. 4**

12. Adjustment function of air door direction by pendulum leaves

a. When the air conditioner is powered on for the first time, the pendulum leaves will move to the direction of full-opening and then to the direction of full-closing wherever they are placed.

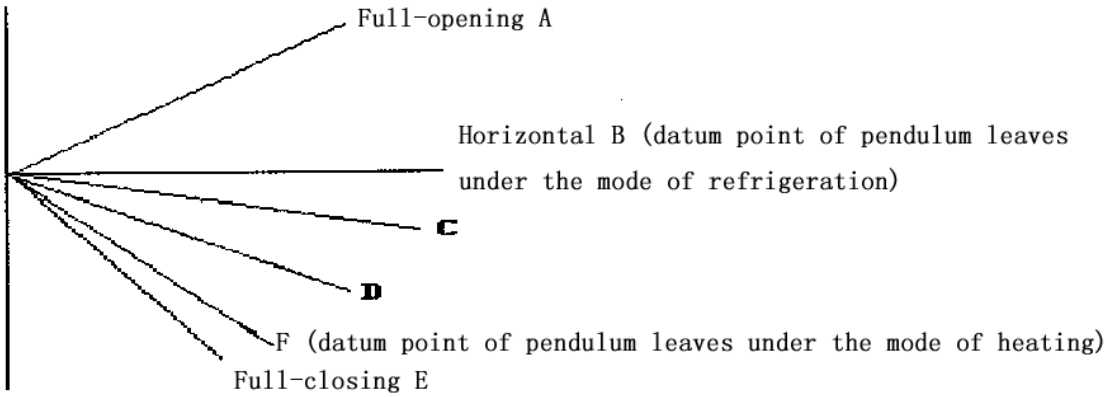
b. When the air conditioner is powered off, the pendulum leaves will move up to “close” position immediately wherever they are placed after the fan comes to an end.

c. Under the mode of refrigeration, the pendulum leaves will first move to the full-opening position and then move to the horizontal position and at last move under the mode set while under the mode of heating, they will first move to the full-opening position and then backswing by 5□ and at last work under the mode set (for details, please see the following diagram).

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

d. Pendulum wind: automatic air door and manual air door will be controlled by one button.
e. When the pendulum leaves move from full-opening position to full-closing position at the time of power-on or from starting position to full-closing position at the time of power-off, the speed will be 20□per second while the speed under the instruction situation will be 5□per second.

Swing angle under the mode of refrigeration: BD is 35±2□
Swing angle under the mode of heating: FC is 40±2□
Backswing angle under the mode of heating: EF is 5□



13. Self-checking function of controller

a. After the automatic button is pressed, the air conditioner will be powered on and enter into the process of self-checking:
b. Buzzer sounds two times→operation indicator turns on→timing indicator turns on→compressor acts→four-way valve acts→outdoor fan acts→electric heating acts→indoor fan acts→buzzer sounds one time which means that air conditioner goes into the state of order-waiting and the self-checking comes to an end.

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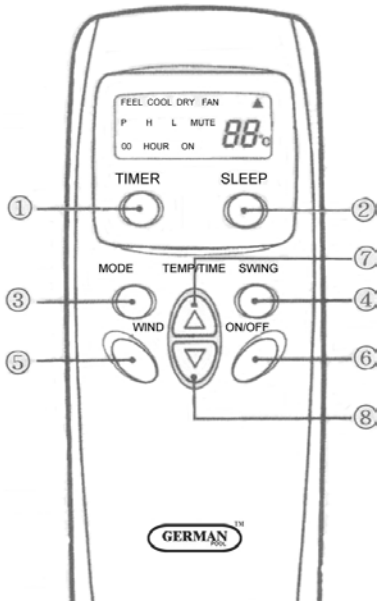
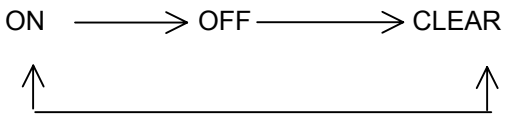
14. Remote control

a. Name and functions of the button on the remote control



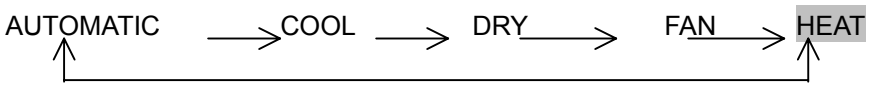
i. Timing ON/OFF button: set the timing mode. After each pressing, the mode will be changed. It shows in the following display.



ii. Sleeping button: which enables you to start the automatic operation in sleeping mode and stops by pressing on it again.

iii. Selection button for operation mode: which enables you to select different operation modes, after each pressing, the operation mode will be changed. It shows in the following display.

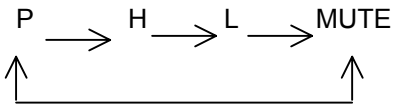
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html



Remarks: Only cool type remote control has no heat mode

iv. Wind direction adjusting button: press the button, the horizontal airflow direction plate can adjust automatically. When you have the desired wind direction, please press it again, the airflow direction plate will maintain the same position.

v.Fan speed selection button: you can select fan speed from “Power”, “High”, “Low”, and “Mute”.



vi. ON/OFF button: you can start the air-conditioner by pressing this button and stop its operation by pressing it again.

vii. Setting button▲: Press the button, the setting temperature or timer will increase.

viii. Setting button▼: Press the button, the setting temperature or timer will decrease.

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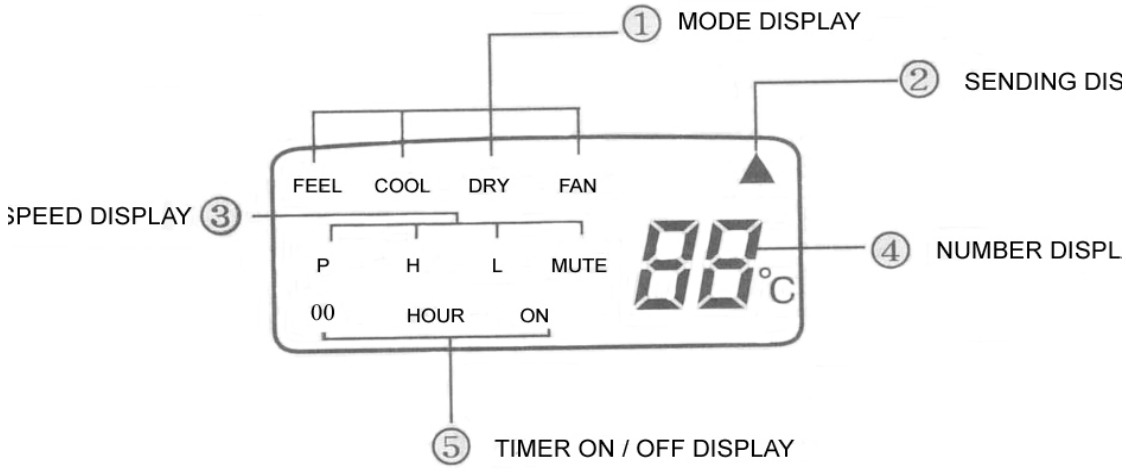
b. Display



i. Mode display: press the MODE button, it shows the current operation mode. You can select “Automatic”, “Cool”, “Dry”, and “Fan”，“heat” operation mode. (cold wind type has no heating mode)
ii. Sending display: when the remote control sends correct and effective signal each time, the sign displays intermittently each time.
iii. Fan speed display: press the “WIND” button, the fan speed will display. You can select fan speed from “Power”, “High”, “Low”, and “Mute”.
iv. Number display: which displays the setting temperature, in the circulation operation mode, the temperature number does not display.
v. Timer ON/OFF display: which displays the timer states, “the timer ON” and “the timer OFF” do not set at the same time.

Remark: For illustration, all display items are listed here. When the mode operates, the relevant items display on the remote control.

c. Application
i. Fix batteries
- Slide open the cover according the direction indicated by arrowhead.
- Put into two AAA new batteries, position the batteries to right electric poles (+&-).
- Put back the cover.
  Make sure to connect the wire to independent power source socket before you use the remote control.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Automatic operation mode

1. Press the MODE button, select the automatic operation mode.
2. Press the TEMP/TIME button, set the temperature, temperature can be set at 1 °C difference range from 16-32 °C.
3. Press the WIND button, you can select fan speed from “Power”, “High”, “Low”, “Mute”.
4. Press the ON/OFF button, the operation indicator is on, the air-conditioner starts to operate in the Automatic mode.
5. Press the button again, the air-conditioner stops.

Cooling/heating operation mode (cold wind type has no heating operating)

1. Press the MODE button, select the Cooling operation mode.
2. Press the TEMP/TIME button, set the temperature, temperature can be set at 1□ difference range from 16-32 °C.
3. Press the WIND button, you can select fan speed from “Power”, “High”, “Low”, “Mute”.
4. Press the ON/OFF button, the operation indicator is on, the air-conditioner starts to operate in the Cooling mode.
5. Press the button again, the air-conditioner stops.

Drying operation mode

1. Press the MODE button, select the Drying operation mode.
2. Press TEMP/TIME button, set the temperature, temperature can be set at 1 °C difference range from 16-32 °C.
3. Press the ON/OFF button, the operation indicator is on, the air-conditioner starts to operate in the Drying mode.
4. Press the button again, the air-conditioner stops.
5. Remark: In the drying operation mode, the fan speed is automatically set to “Mute”.

Circulation operation mode

1. Press the MODE button, select the Circulation operation mode.
2. Press the WIND button, you can select fan speed from “High”, “Low”, “Mute”. In the circulation operation mode, you cannot select the speed of “Power”.
3. Press the ON/OFF button, the operation indicator is on, the air-conditioner starts to operate in the Circulation mode.
4. Press the button again, the air-conditioner stops.
5. Remark: In the circulation operation mode, you cannot set the temperature.

Timer setting

1. □Set the “Timer ON” (it operates only when the air-conditioner shuts off.)
2. Press the TIMER button, select the “Timer ON”, the remote control display “00 HOUR ON”; “ON” displays intermittently.
3. Press the TEMP/TIME button, set the time. When “ON” stops intermittently, the “Timer ON” can be set.
4. □Set the “Timer OFF” (it operates only when the air-conditioner is running.)
5. Press the TIMER button, select the “Timer OFF”, the remote control display “00 HOUR OFF”; “OFF” displays intermittently at the same time.
6. Press the TEMP/TIME button, set the time. When “OFF” stops intermittently, the “Timer OFF” can be set.
7. Remark: The remote control can only be set within 12 hours intervals.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Sleeping operation mode

1. Press the SLEEP button, the sleeping indicator light of indoor unit flashes.
2. After the setting of sleeping mode, the cooling operation enables the set temperature to increase 1 °C after 1 hour and another 1 °C automatically after another hour.
3. After the setting of sleeping mode, the cooling operation enables the set temperature to increase 2□ after 1 hour and another 2□ automatically after another hour.
4. The air-conditioner runs in sleeping mode for 7 hours and stop automatically.
5. Remark:
6. In sleeping mode the fan speed changes automatically to “Mute”.
7. Press the MODE button, WIND button or ON/OFF button, the remote control clears sleeping mode away.

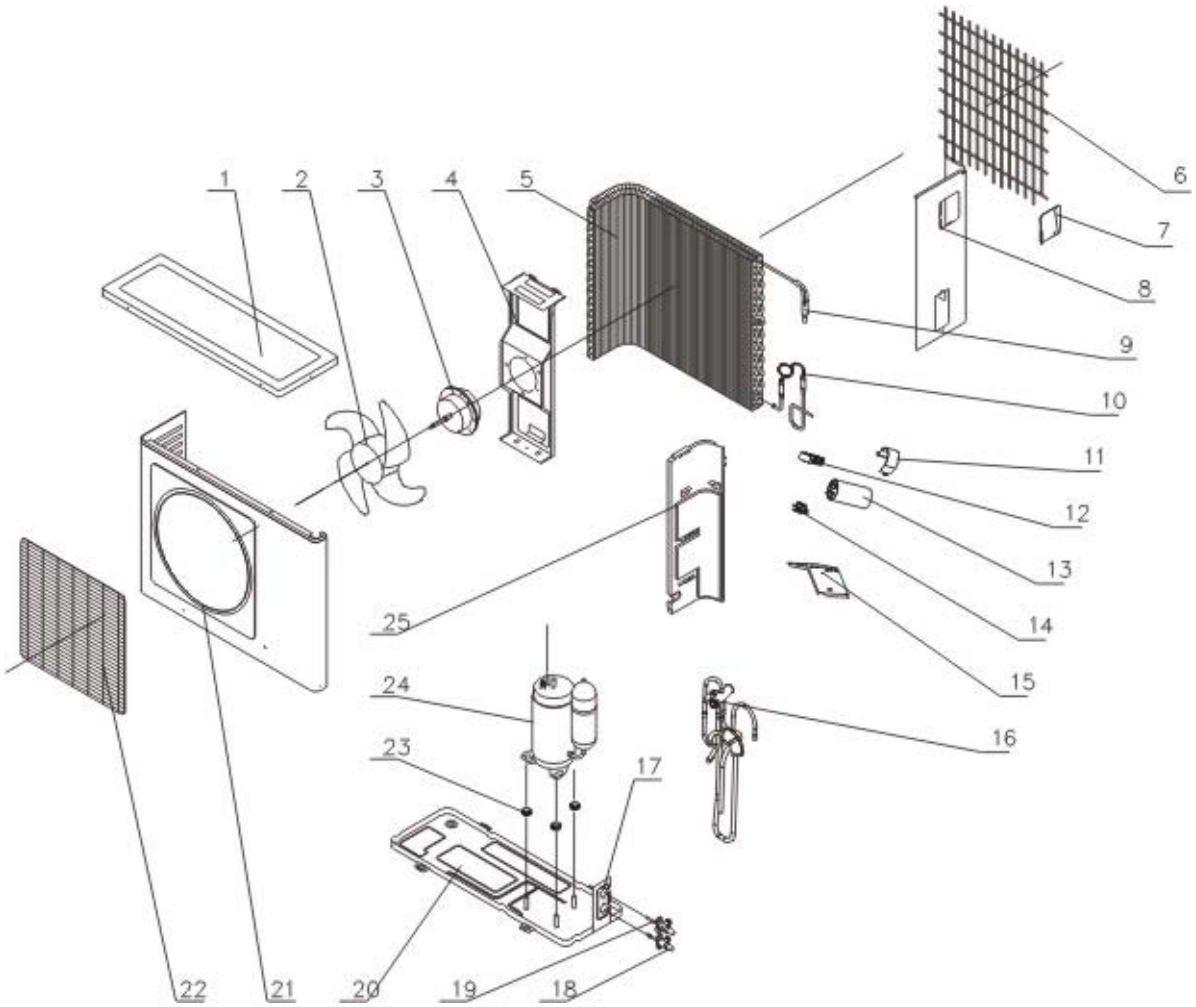
Attention:

Aimed the remote control at the receiver on the air-conditioner.

- The remote control should be within 8 meters away from the receiver.
- No obstacles between the remote control and receiver.
- Don’t drop or throw the remote control.
- Don’t put the remote control under the strong sunrays or heating facilities and other heating sources.
- Use two AAA batteries, don’t use rechargeable batteries.
- Take the batteries out of remote control before stop using for long.
- When the noise of transmitting signal can’t be heard from indoor unit or the transmission
- symbol on the display screen doesn’t flare, batteries need be replaced.
- If reset phenomenon occurs on pressing the button of the remote control, power of the batteries is deficient and need to be replaced.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

EXPLODED VIEW FOR OUTDOOR UNIT



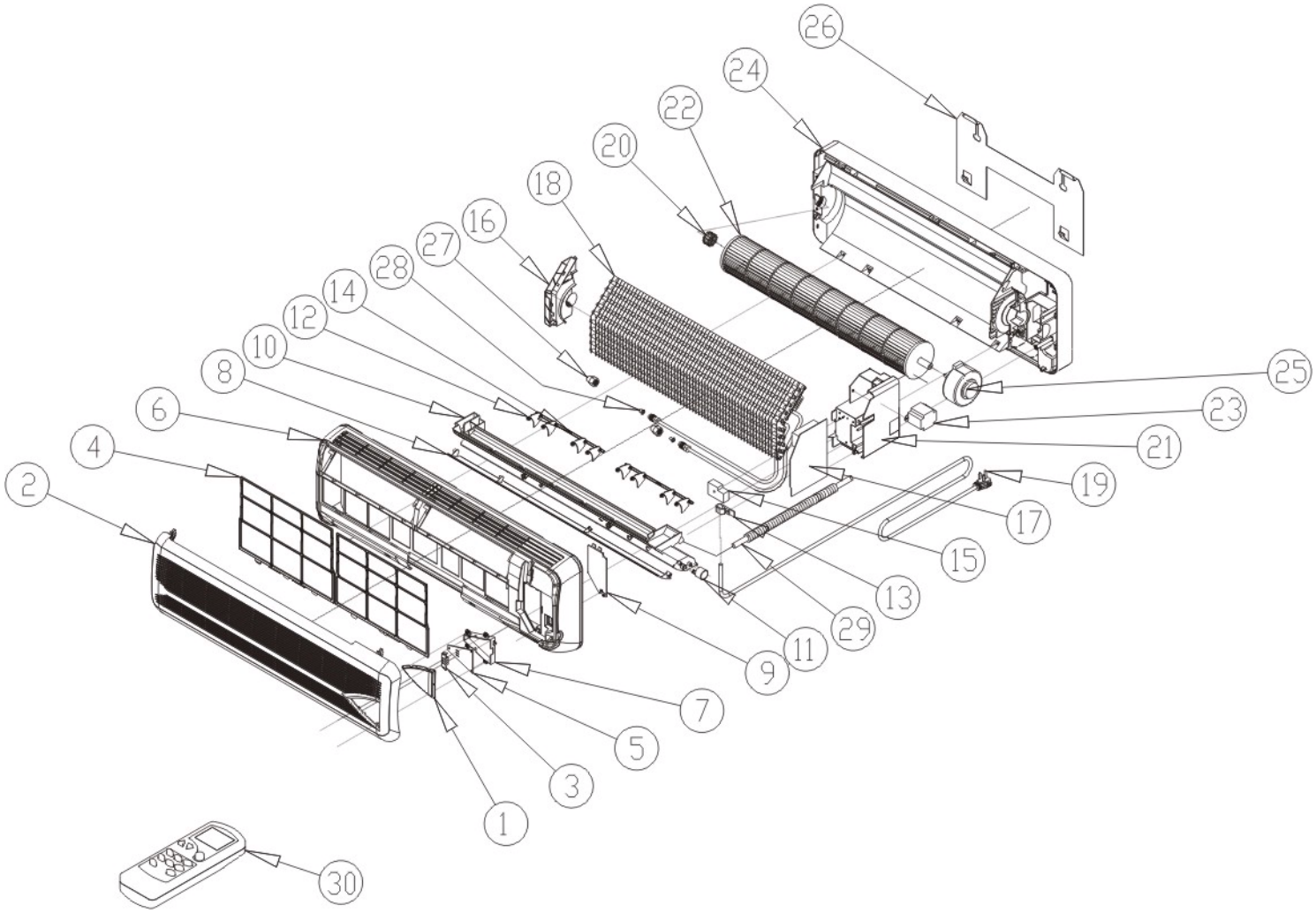
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

PART LIST FOR OUTDOOR UNIT

No	Part list	Qty
1	Top cover board	1
2	Axial-flow fan leaves	1
3	Fan motor	1
4	Motor bracket	1
5	Condenser assembly	1
6	Defence net	1
7	Handle	1
8	Right-hand board	1
9	Three-way copper pipe	
10	Capillary assembly	1
11	Capacitary clamp	1
12	Terminal board	1
13	Compressor capacitor	1
14	Wire clip	1
15	Electric board	1
16	Four-way valve pipeline assembly	1
17	Valve board	1
18	Gas valve assembly	1
19	Liquid valve assembly	1
20	Chassis assembly	1
21	Panel	1
22	Air-outlet net	1
23	Compressor shock absorption washer	3
24	Compressor	1
25	Partition board	1

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

EXPLODED VIEW FOR INDOOR UNIT



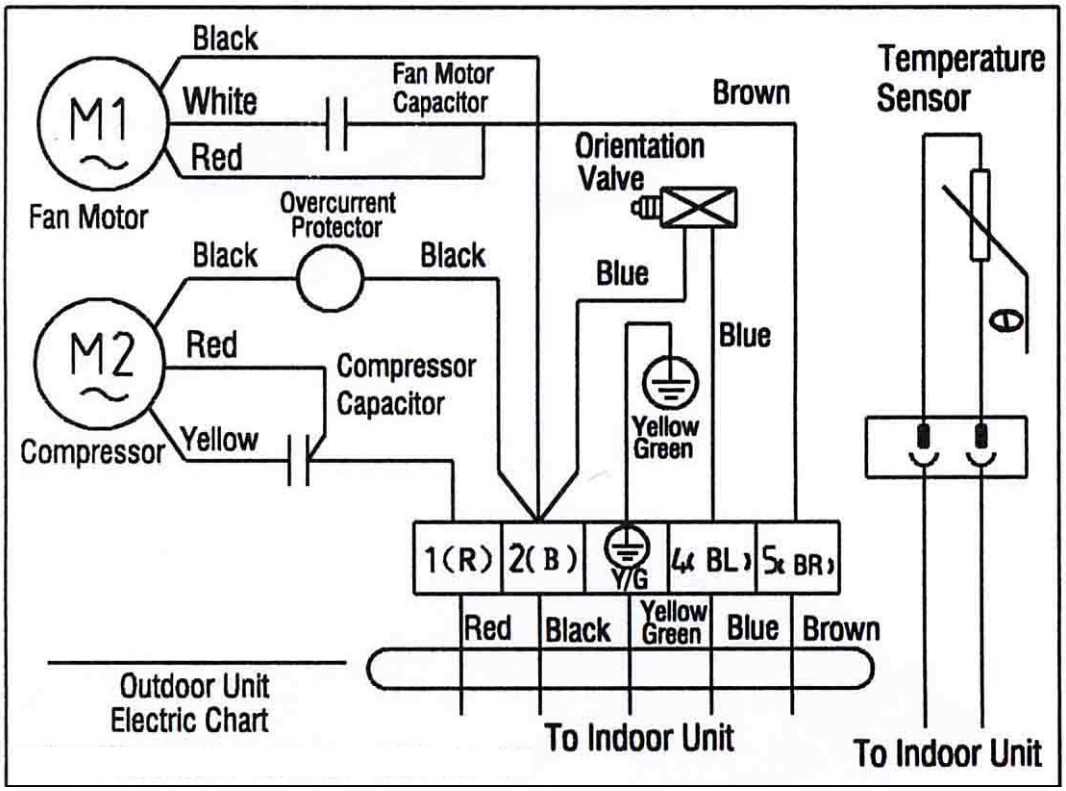
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

PART LIST FOR INDOOR UNIT

No	Part No	Qty
1	Display cover	1
2	Panel	1
3	Clamp	1
4	Filter net	2
5	PCB1	1
6	Inter frame	1
7	PCB box	1
8	Horizontal airflow vanes	2
9	Partition board	1
10	Holder for wind guide	1
11	Step motor	1
12	Vertical airflow vanes	8
13	Power wire clamp	1
14	Connecting pole	2
15	Terminal board	1
16	Evaporator	1
17	PCB2	1
18	Evaporator assembly	1
19	Power wire	1
20	Bearing	1
21	Electric control box	1
22	Through-flow fan	1
23	Transformer	1
24	Lower frame assembly	1
25	Fan motor	1
26	Wall-mounted plate	1
27	Nut	2
28	Copper sealing lid	2
29	Drain hose	1
30	Remote controller	1

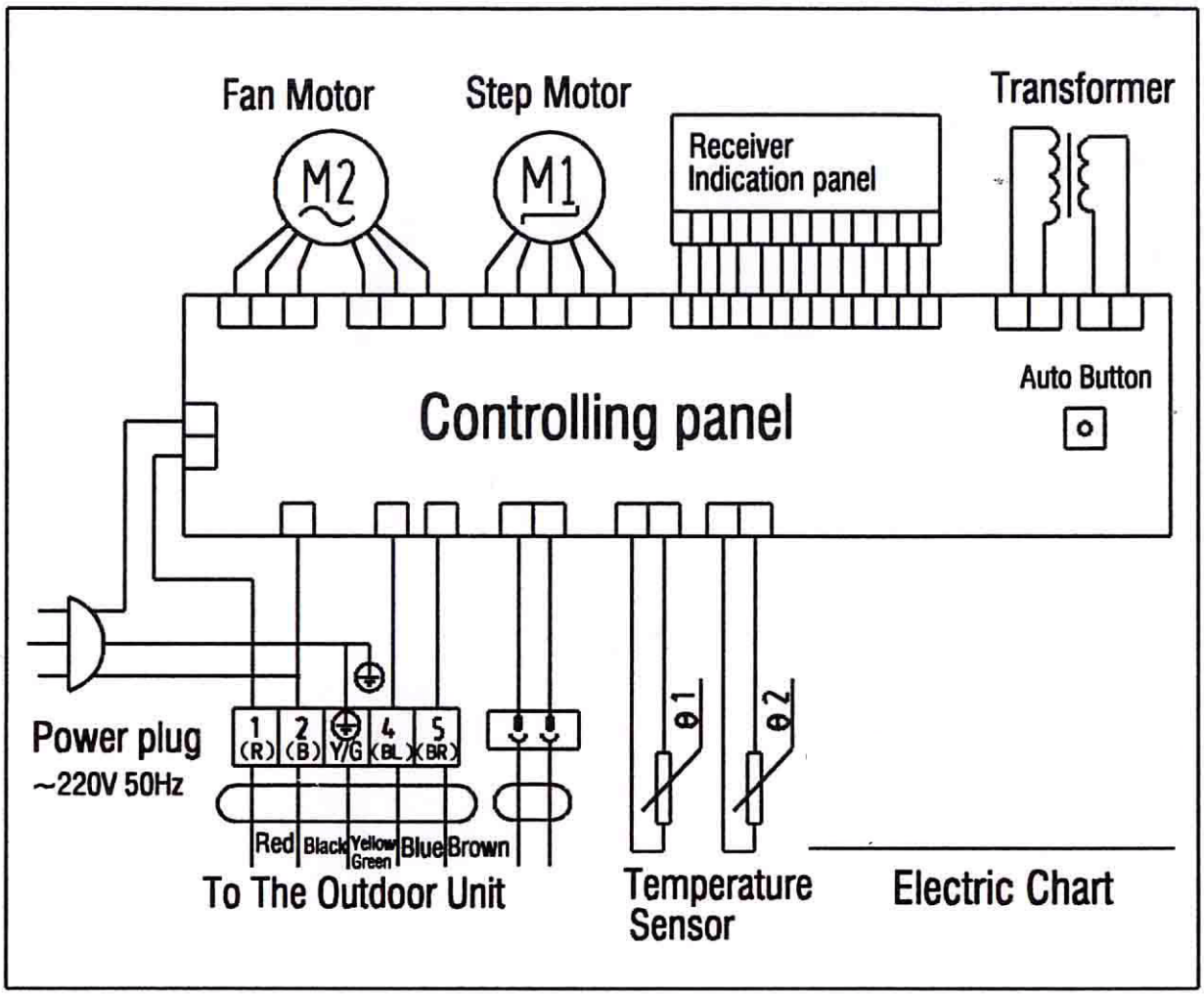
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

CIRCUIT DIAGRAM



Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

CIRCUIT DIAGRAM



Большая библиотека технической документации
http://splitoff.ru/tehn-doc.html
каталоги, инструкции, сервисные мануалы, схемы.